

RA SMB Plug (Male) Connector Crimp Attachment for RG58CU, LMR-195, LMR-195-FR, LMR-195-LLPL, RG303HV, TCOM-195, 0.195 Inch Cable



FMCN5448

Configuration

- SMB Plug Connector
- MIL-STD-202
- 50 Ohms
- Right Angle Body Geometry
- Connector Interface Types: RG58CU, LMR-195, LMR-195-FR, LMR-195-LLPL, RG303HV, TCOM-195, 0.195 Inch cable

Features

- Operating Frequency of 1.5 GHz Max.
- Excellent VSWR of 1.25:1
- Gold over Nickel over Copper Plated Beryllium Copper Contact
- IP67

Applications

- General Purpose Test
- Custom Cable Assemblies

Description

RA SMB Plug Connector Crimp Attachment for RG58CU, LMR-195, LMR-195-FR, LMR-195-LLPL, RG303HV, TCOM-195 and 0.195 Inch Cable, part number FMCN5448, from Fairview Microwave is in-stock and ships same day. This SMB plug connector operates up to a maximum frequency of 1.5 GHz and offers excellent VSWR of 1.25:1. Its right angle body geometry facilitates connections in tight spaces. Our FMCN5448 connector has an IP67 rating to protect against dust and temporary moisture protection under immersion conditions.

Fairview's RA SMB plug connector FMCN5448 datasheet specifications and outline drawing are shown in this PDF below. Our extensive offering of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. From providing an I/O for a board design to creating a custom cable assembly configuration, Fairview Microwave has a connector solution to meet your needs. Fairview Microwave also has the expertise to build your custom cable assemblies for you and ship them same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		1.5	GHz
VSWR			1.25:1	
Operating Voltage (AC)			335	Vrms
Dielectric Withstanding Voltage (AC)			1,000	Vrms
Inner Conductor DC Resistance			5	mOhms
Outer Conductor DC Resistance			2.5	mOhms
Insulation Resistance	10,000			MOhms
Impedance		50		Ohms

Electrical Specification Notes:
Insertion loss is = $0.1 \cdot \sqrt{\text{FGHz}}$ dB

Mechanical Specifications

Size

Length	0.732 in [18.59 mm]
Width	0.732 in [18.59 mm]
Height	1.079 in [27.41 mm]
Weight	0.006 lbs [2.72 g]
Mating Cycles	500 Cycles

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Mating Torque	1.8 to 14.2 in-lbs [0.20 to 1.60 Nm]
Cable Retention Force	4 lbs [1.81 kg]

Material Specifications

Description	Material	Plating
Contact	Beryllium Copper	Gold over Nickel over Copper
Insulation	PTFE	
Body	Brass	Gold over Nickel over Copper
Coupling Nut	Brass	Gold over Nickel over Copper
Gasket	Silicone	
Crimp Sleeve	Brass	Gold over Nickel over Copper

Environmental Specifications

Temperature	
Operating Range	-65 to 165 deg C
Ingress Protection (IP) Rating	IP67
Humidity	MIL-STD-202, Method 106
Shock	MIL-STD-202, Method 107, Condition B
Salt Spray	MIL-STD-202, Method 101, Condition B

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

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For additional information on this product, please click the following link: [RA SMB Plug \(Male\) Connector Crimp Attachment for RG58CU, LMR-195, LMR-195-FR, LMR-195-LLPL, RG303HV, TCOM-195, 0.195 Inch Cable FMCN5448](#)

URL: <https://www.fairviewmicrowave.com/product/rf-connectors/smb-plug-rg58cu-lmr-195-lmr-195-fr-lmr-195-llpl-rg303hv-tcom-195-0.195-connector-fmcn5448.html>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Fairview Microwave reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Fairview Microwave does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Fairview Microwave does not assume liability arising out of the use of any part or document.

